Please amend the claims as follows. This listing of claims replaces all prior versions.

- 1. (Currently Amended) An isolated DNA-molecule comprising a sequence selected from the group consisting of:
- (a) SEQ ID NO:1:
- (b) DNA sequences which encode an enzyme having SEQ ID NO:2;
- (e) DNA sequences which nucleic acid that hybridizes to isolated DNA of (a) or (b) above and which encodo a quinolate phosphoribosyl transferase enzyme; and
- (d) DNA sequences which differ from the DNA of (a), (b) or (c) above due to the degeneracy of the genetic code. SEQ ID NO:1 or a complement thereof under a wash stringency of 0.3M NaCl, 0.03M sodium citrate, and 0.1% SDS at 60° to 70°C, wherein said nucleic acid is greater than or equal to 30 consecutive nucleotides of SEO ID NO:1.
- 2. (Currently Amended) A DNA nucleic acid construct comprising an expression cassette, which construct comprises, in the 5' to 3' direction, a promoter operable in a plant cell and a DNA nucleic acid segment according to claim 1 positioned downstream from said promoter and operatively associated therewith.
- 3. (Currently Amended) A DNA nucleic acid construct comprising an expression cassette, which construct comprises, in the 5' to 3' direction, a plant promoter and a DNA nucleic acid segment according to claim 1 positioned downstream from said promoter and operatively associated therewith, said DNA nucleic acid segment in antisense orientation.
- 4-11. (Canceled).
- 12. (Currently Amended) A plant cell containing comprising a DNA nucleic acid construct according to claim 2, 3, 4 or 5 or 3.
- 13. (Original) A transgenic tobacco plant comprising the plant cell of claim 12.
- 14-15. (Canceled)
- 16. (Currently Amended) A method of making a transgenic tobacco plant cell having with reduced quinolate phosphoribosyl transferase (QPRTase) expression, said method comprising: providing a tobacco plant cell; of a type known to express quinolate phosphoribosyl transferase; providing an exogenous DNA construct, which construct comprises, in the 5' to 3' direction, a promoter operable in a plant cell and DNA comprising a portion of a sequence encoding quinolate phosphoribosyl transferase mRNA, said DNA operably associated with said promoter the nucleic acid construct of Claim 2; and
- transforming said plant cell with said DNA construct to transferring said nucleic acid construct to said tobacco plant cell so as to produce a transformed tobacco plant cells, said plant cell having with reduced expression of QPRTase as compared to an untransformed tobacco plant cell.
- 17. (Currently Amended) The method of claim 16, wherein said DNA nucleic acid comprising a portion of a sequence encoding quinolate phosphoribosyl transferase mRNA is in antisense

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orientation.

- 18. (Currently Amended) The method of claim 16, wherein said DNA nucleic acid comprising a portion of a sequence oncoding quinolate phosphoribosyl transferase mRNA is in sense orientation.
- 19. (Currently Amended) The method of claim 16, wherein said tobacco plant cell is Nicotiana tabacum a Burley variety.

20-25. (Canceled).

26. (Currently Amended) A method of producing transgenic tobacco seeds, comprising collecting seed from a the transgenic tobacco plant produced by the method of claim 32 13 or 31 or a progeny thereof.

27-30. (Canceled).

31. (Currently Amended) A <u>reduced nicotine</u> transgenic <u>tobacco</u> plant of the species Nicotiana having reduced quinolate phosphoribosyl transferase (QPR Tase) expression relative to a non-transformed control plant, said transgenic plant comprising transgenic plant cells containing comprising:

an exogenous DNA nucleic acid construct comprising, in the 5' to 3' direction, a promoter operable in said plant cell and DNA a nucleic acid comprising a segment of a DNA sequence that encodes a plant quinolate phosphoribosyl transferase mRNA, said DNA that hybridizes to SEO ID NO:1 under a wash stringency of 0.3M NaCl, 0.03M sodium citrate, and 0.1% SDS at 60° to 70°C and operably associated with said promoter;

wherein said tobacco plant exhibiting reduced QPRTase expression has a reduced amount of nicotine as compared to a non-transformed control plant.

- 32. (Currently Amended) The method of claim 31, wherein said segment of DNA nucleic acid construct comprising comprises a segment of a DNA nucleic acid sequence encoding quinolate phosphoribosyl transferase mRNA that hybridizes to SEQ ID NO:1 and said nucleic acid is in antisense orientation.
- 33. (Currently Amended) The method of claim 31, wherein said segment of DNA comprising nucleic acid construct comprises a segment of a DNA nucleic acid sequence encoding quinolate phosphoribosyl transferase mRNA that hybridizes to SEQ ID NO:1 and said nucleic acid is in sense orientation.

34-42. (Canceled).

- 43. (Currently Amended) A transgenic plant of the species Nicotiana having reduced quinolate phosphoribosyl transferase (QPRTase) expression relative to a non-transformed control plant, wherein said transgenic plant is a progeny of a plant according to claim 13 or 31.
- 44. (Currently Amended) Seeds of a transgenic A seed of a tobacco plant of the species Nicotiana having reduced quinolate phosphoribosyl transferase (QPRTase) expression relative to a non-transformed control plant, wherein said transgenic plant is a plant according to claim 13, 31 or 43, or a progeny thereof.